

Issues Related to the Modeling of Multipacting for Spoke Resonators

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The evaluation of multipacting effects has become a common part of the design procedure for elliptical cavities in recent years. This is due to the increased quality and availability of simulation codes for 2D applications. The more complex spoke resonators require full 3D simulations. For these applications software availability is limited. The presentation will give a short overview on the simulation procedure that is common to most multipacting simulation software. An application of MultP to an ANL spoke resonator will be used to trigger a discussion on simulations needed and on potential locations in spoke resonators where multipacting might be happening more likely.